	Application No.	Applicant(s)
	10/790,769	YAMANAKA ET AL.
Notice of Allowability	Examiner	Art Unit
	Huedung Cao Mancuso	2821
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this () or other appropriate communicat IGHTS. This application is subjection.	application. If not included ion will be mailed in due course. THIS
1. This communication is responsive to <u>amenment, filed on the second </u>	<u>10/24/06</u> .	
2. The allowed claim(s) is/are 2-13.		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	•,	
Certified copies of the priority documents have		•
3. Copies of the certified copies of the priority do	•••	
International Bureau (PCT Rule 17.2(a)).		no national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		oly complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.	
(a) including changes required by the Notice of Draftspers		O-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	-	·
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or in the	e Office action of
Identifying indicia such as the application number (see 37 CFR teach sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the dra the header according to 37 CFR 1.12	wings in the front (not the back) of 21(d).
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLOG	L must be submitted. Note the ICAL MATERIAL.
	•	
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Informa	* *
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 	Paper No./Mail [Date
Paper No./Mail Date	7. Examiner's Amer	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		ment of Reasons for Allowance
	9. Other	
) rendered
	PF	TRINH DINH RIMARY EXAMINER

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Examiner's Statement of Reasons for Allowance

1. Claims 2-13 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art made of record fails to anticipate or make obvious the claimed invention. Specifically, the prior art fails to teach, in combination with the remaining elements as recited in claims 10, and 13:

The present invention is directed to a heat sink apparatus for an antenna coupling module.

Regarding claims 10, and 13, the Prior art fails to specifically teach that

the oxide superconductor for said superconductive high frequency circuit or said planar antenna is at least one type of oxide high-temperature superconductor selected from the group comprised of $Bi_{n1}Sr_{n2}Ca_{n3}Cu_{n4}O_{n5}$ (where, 1.8 \leq n1 \leq 2.2, 1.8 \leq n2 \leq 2.2, $0.9 \le n3 \le 1.2$, $1.8 \le n4 \le 2.2$, and $7.8 \le n5 \le 8.4$), $Pb_{k1}Bi_{k2}Sr_{k3}Ca_{k4}Cu_{k5}O_{k6}$ (where, 1.8 \leq k1+k2 \leq 2.2, 0 \leq k1 \leq 0.6, $1.8 \le k3 \le 2.2$, $1.8 \le k4 \le 2.2$, $1.8 \le k5 \le 2.2$, and $9.5 \le k6 \le 10.8$), $Y_{m1}Ba_{m2}Cu_{m3}O_{m4}$ (where, 0.5 \leq m1 \leq 1.2, 1.8 \leq m2 \leq 2.2, 2.5 \leq m3 \leq 3.5, and $6.6 \le m4 \le 7.0$), $Nd_{p1}Ba_{p2}Cu_{p3}O_{p4}$ (where, $0.5 \le p1 \le 1.2$, $1.8 \le p2 \le 2.2, \ 2.5 \le p3 \le 3.5, \ \text{and} \ 6.6 \le p4 \le 7.0), \ \mathrm{Nd_{q1}Y_{q2}Ba_{q3}Cu_{q4}O_{q5}}$ (where, $0 \le q1 \le 1.2$, $0 \le q2 \le 1.2$, $0.5 \le q1 + q2 \le 1.2$, $1.8 \le q2 \le 2.2$, $2.5 \le q3 \le 3.5$, and $6.6 \le q4 \le 7.0$), $Sm_{p1}Ba_{p2}Cu_{p3}O_{p4}$ (where, $0.5 \le p1 \le 1.2$, $1.8 \le p2 \le 2.2$, $2.5 \le p3 \le 3.5$, and $6.6 \le p4 \le 7.0$), $Ho_{p_1}Ba_{p_2}Cu_{p_3}O_{p_4}$ (where, 0.5 \leq p1 \leq 1.2, 1.8 \leq p2 \leq 2.2, 2.5 \leq p3 \leq 3.5, and $6.6 \le p4 \le 7.0$).

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Claims 2-9, and 11-12 are allowed for depending on claim 4.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Inquiries

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4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Huedung Mancuso whose telephone number is (571)

272-1939.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Timothy P. Callahan, can be reached on (571) 272-1740. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

5. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Huedung Mancuso
Patent Examiner

TRINH DINH
PRIMARY EXAMINER